BRUHAT BENGALURU MAHANAGARA PALIKE

Name of work: Community property maintenance (including parks) at ward No. 15 in Dasarahalli

EMB

Sl No	Description of work	No	Dimensions L	B	D	Qty	Unit	Rate	Amount
	Pre-measurment								
1	KSRB 2-2.2 : Earthwork excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in hard soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m. after breaking of clods complete as per specifications. (P.No. 5/I.No. 2.4)								
	For Base	1	18.70	3.75	0.40	28.05			
		1	23.00	2.15	0.40	19.78			
					Total	**47.83**	**Cum**	**500.00**	**23915.00**
	Pre-measurment								
2	KSRRB M300- Construction of Embankment with Material Gravel/ Murrum. KSRRB M300-53. Construction of embankment with approved material Gravel/Murrum with all lifts and leads, transporting to site, spreading, grading to required slope and compacting to meet requirement Table 300- 2 complete as per specifications.(Including cost of gravel / murrum, watering charges & compaction by vibratory roller to 95% of proctors density) MORTH Specification No. 305 Item No: 19.60, Page: 147, SR (18-19)								
	For Base	1	18.70	3.75	0.45	31.56			
		1	23.00	2.15	0.45	22.25			
					Total	**53.81**	**Cum**	**400.00**	**21524.00**
	Pre-measurment								
3	KSRB 4-1.2 : Providing and laying in position plain cement concrete of mix 1:3:6 with OPC cement @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @ 0.465cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation including cost of all materials, labour, HOM of machinery, curing complete as per specifications.(P.No. 12/I.No. 4.2)								
	For Base	1	18.70	3.75	0.20	14.03			
		1	23.00	2.15	0.20	9.89			
	For Kerb Packing	4	18.70	0.17	0.10	1.23			
		4	3.75	0.17	0.10	0.25			
	For Kerb Packing	4	23.00	0.17	0.10	1.56			
		4	2.15	0.17	0.10	0.15			
					Total	**27.11**			
			Limited to			**25.40**	**Cum**	**5900.00**	**149860.00**
	Detailed - measurment								
4	Providing and laying/fixing cement base, precast, pre polished cement concrete, designer tiles 25mm thick for flooring conforming to IS 1237 heavy duty tiles for flooring, treads of steps and landing, laid on a bed of 12mm thick cement mortar 1:3 mis finished with flush pointing using white cement, including cost of materials, including cutting, griding the edge to half/full round wherever required, labour, curing complete as per specification. (P.No. 112, I.No. 14.62 of PWD SR 2018-19)								
	For Covering	1	18.70	3.65	/	68.26			
		1	23.00	2.05	/	47.15			
					Total	**115.41**			
			Limited to			**115.00**	**Sqm**	**1400.00**	**161000.00**

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	Description of work	No	Dimensions L	B	D	Qty	Unit	Rate	Amount
	Detailed - measurment								
5	Providing and fixing Pre Cast solid cement concrete kerb stones made out of CC 1:2:4 with top and bottom width 114 and 165 mm respectively, 400 mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting including form work, curing, including cost of materials, labour charges of machinery, loading and unloading, lead and lift, transportation etc., complete. (I.No. 5.3, P.No.27)								
	For Sides - L/s	2	18.70			37.40			
	For Sides - S/s	1	23.00			23.00			
	Kerb Length = 0.45M					134.00			
	Missing & Damaged Kerbs Inside Park					8.00			
					Total	**142.00**	**Nos**	**500.00**	**71000.00**
	Detailed - measurment								
6	*Supply & fixing of Bicycle : All products must tested and certified to meet EN 16630 safety standards with GS test mark. TheEN16630 certificates must be issued by a reputed notified International Certifying Body such as IPEMA, TUV, CPSC, or SGSonly: The GS mark-EN 16630 certificates must be in the name of a supplier who has carried out a minimum of 100 public park projects in India with EN16630-GS certified products either by themselves or through their dealers or contractors. These EN 16630 & GS Mark certificates must be clearly displayed on the notified certifying bodies websites as online verification is mandatory during technical bid. All products must clearly display the GS mark as has been issued in the EN 16630 safety certificates. All Tubular steel of 2.5mm thickness are galvanized and zinc dipped. Joints are Robotic Welded. All welded jointsare scalloped as necessary and welded to an approved MIG pr ocess. All welds are dressed off removjng all sharp edges & burrs. Zinc Primer paint ¡s applied at all the welding paints prior to finishing. All metal parts are powder coated using AKZO Nobel - Great Wall Powder to the thickness of 80 120 microns. All metal parts are tested in our salt spray machine that uses a 5% NaCL solution in accordance to 1507227 to speed up corrosion for 3000 his. The seat ¡s made from Rotomoulded LLDPE. Bearings: Maintenance-free ball bearings. Equipment which have sway and moving parts, must have built in limitors that prevent unwanted and ecesssive movement, which can cause injuries. The limitors must be in accordance with EN 16630 safety norms. Scope of delivery: 1 completely pie-assembled equipment modules. Maintenance: Maintain according to EN16630 and the maintenance guide. Size (L*W * H) 1000 MM x 500MM x 1290MM . Capacity 1 person. Inclusive of All Taxes and Transportation Charges*								
		1				1			
					Total	**1**	**Each**	**160000.00**	**160000.00**

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Sl No	Description of work	No	Dimensions L	B	D	Qty	Unit	Rate	Amount
	Detailed - measurment								
7	Supply & fixing of Pull Down Challenger : All products must tested and ertified to meet EN 16630 safety standards with GS test mark. The EN 16630 certificates must be issued by a reputed notified International Certifying Body such as IPEMA, TUV, CPSC, or SGS only. The GS mark-EN 16630 ertificates must be in the name of a supplier who has carried out a minimum of loo public park projects in India with EN16630-GS certified products either by themselves or through their dealers or contractors. These N16630 & GS Mark certificates must be clearly displayed on the notified certifying bodies websites as online verification is mandatory during technical bid. All products must clearly display the 65 mark as has been issued in the EN 16630 safety certificates. All Tubular steel of 2.5mm thickness are galvanized and zinc dipped. Joints are Robotic Welded. All welded joints are scalloped as necessary and welded to an approved MIG process. All welds are dressed off removing all sharp edges & burrs. Zinc Primer paint is applied at all the welding paints prior to finishing. All metal parts are powder coated using AKZO Nobel - Great Wall Powder to the thickness of 80 - 120 microns. All metal parts are tested in our salt spray machine that uses a 5% NaCL solution in accordance to 1S07227 to speed up corrosion for 3000 hrs. The seat and backrest is made from roto moulded LLDPE. Bearings: Maintenance-free ball bearings. Equipment which have sway and moving parts, must have built in limitors that prevent unwanted and ecesssive movement, which can cause injuries. The limitors must be in accordance with EN16630 safety norms. Scope of delivery: 1 completely pie-assembled equipment modules. Maintenance: Maintain according to EN16630 and the maintenance guide. Size (LW H) 2570 MM x 840 MM x 2200 MM . Capacity 2 persons. Inclusive of All Taxes and Transportation Charges								
		1			1				
				Total	1		Each	299000.00	299000.00
	Detailed - measurment								
8	Supplying & fixing of Big Shoulder Wheel : All products must tested and certified to meet EN16630 safety standards with GS test mark The EN16630 certificates must be issued by a reputed notified international Certifying Body such as IPEMA, TUV, CPSC, or SGS only. The GS mark-EN 16630 certificates must be in the name of a supplier who has carried out a minimum of 100 public park projects in India with EN16630-GS certified products either by themselves or through their dealers or contractors. These EN16630 & 65 Mark certificates must be clearly displayed on the notified certifying bodies websites as online verification is mandatory during technical bid. All products must clearly display the GS mark as has been issued in the EN 16630 safety certificates. All Tubular steel of 2.5mm thickness are galvanized and zinc dipped. Joints are Robotic Welded. All welded joints are scalloped as necessary and welded to an approved MIG process. AU welds are dressed off removing all sharp edges & burrs. Zinc Primer paint is aplied at all the welding paints prior to finishing. All metal parts are powder coated using AKZO Nobel - Great Wall Powder to the thickness of 80 - 120 microns. All metal parts are tested in our salt spray machine that uses a 5% NaCL solution in accordance to 1S07227 to speed up corrosion for 3000 hrs. Bearings : Maintenance- free ball bearings. Equipment which have sway and moving parts, must have built in limitors that prevent unwanted and ecesssive movement, which can cause injuries. The limitors must be in accordance with EN 16630 safety norms. Scope of delivery: 1 completely pre-assembled equipment modules. Maintenance : Maintain according to EN16630 and the maintenance guide. Size (L * W * H) 845 MM x 810MM x 1710MM . Capacity 2 persons. Inclusive of All Taxes and Transportation Charges								
		1				1			
					Total	1	Each	160000.00	160000.00

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	Detailed - measurment								
9	Supplying & Fixing of Seated Chest Press : All products must tested and certfied to meet EN 16630 safety standards with GS test mark. The EN 16630 certificates must be issued by a reputed notified International Certifying Body such as IPEMA, TUV, CPSC, or SGS only. The GS mark-EN 16630 certificates must be in the name of a supplier who has carried out a minimum of 100 public park projects in India with EN16630-GS certified products either by themselves or through their dealers or contractors. These EN16630 & GS Mark certificates must be clearly displayed on the notified certifying bodies websites as online verification is mandatory during technical bid. Alt products must clearly display the GS mark as has been issued in the EN16630 safety certificates. All Tubular steel of 2.5mm thickness are galvanized and zinc dipped. Joints are Robotic Welded. All welded joints are scalloped as necessary and welded to an approved MIG process. All welds are dressed off removing all sharp edges & burrs. Zinc Primer paint is applied at all the welding paints prior to finishing. All metal parts are powder coated using AKZO Nobel - Great Wall Powder to the thickness of 80 - 120 microns. All metal parts are tested in our salt spray machine that uses a 5% NaCL solution in accordance to 1S07227 to speed up corrosion for 3000 hrs. The seat and backrest is made from rotomoulded LLDPE. Bearings : Maintenance-free ball bearings. Equipment which have sway and moving parts, must have built in limitors that prevent unwanted and ecesssive movement, which can cause injuries. The limitors must be in accordance with EN16630 safety norms. Scope of delivery: 1 completely pre-assembled equipment modules. Maintenance: Maintain according to EN 16630 and the maintenance guide. Size (L * W * H) 1955 MM x 730 MM x 1955 MM. Capacity 2 persons. Inclusive of All Taxes and Transportation								
		1				1			
					Total	1	Each	295000.00	295000.00
	Detailed - measurment								
10	Supplying & fixing of Self Weighted Rower: All products must tested and certified to meet EN16630 safety standards with GS test mark. The EN16630 certificates must be issued by a reputed notified international Certifying Body such as IPEMA, TUV, CPSC, or SGS only. The GS mark-EN 16630 certIficates must be in the name of a supplier who has carried out a minimum of 100 public park poject in India with EN16630-GS certified products either by themselves or through their dealers or contractors. These EN 16630 & GS Mark certificates must be clearly displayed on the notified certifying bodies websites as online verification is mandatory during technical bid. All products must clearly display the GS mark as has been issu cd in the EN 16630 safety certificates. All Tubular steel of 2.5mm thickness are galvanized and zinc dipped. Joints are Robotic Welded. All welded joints are scalloped as necessary and welded to an approved MIG process. All welds are dressed off removing all sharp edges & burrs. Zinc Primer paint ¡s applied at all the welding paints prior to finishing. All metal parts are powder coated using AKZO Nobel - Great Wall Powder to the thickness of 80 - 120 microns. All metal parts are tested in our salt spray machine that uses a 5% NaCL solution ¡n accordance to 1507227 to speed up corrosion for 3000 his. The seat and backrest is made from Rotomoulded LLDPE. Bearings: Maintenance-free ball bearings. Equipment which have sway and moving parts, must have built in limitors that prevent unwanted and ecesssive movement, which can cause injuries. The limitors must be in accordance with EN16630 safety norms. Scope of delivery: 1 completely pie-assembled equipment modules. Maintenance: mainitain according to EN16630 and the								
		1				1			
					Total	1	Each	230000.00	230000.00

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Sl No	Description of work	No	Dimensions L	B	D	Qty	Unit	Rate	Amount
	Detailed - measurment								
11	Supply & fixing of HD Double Health Walker :All products must tested and certified to meet EN 16630 safety standards with GS test mark. The EN 16630 certificates must be issued by a reputed notified International Certifying Body such as IPEMA, TUV, CPSC, or SGS only. The GS mark-EN 16630 certificates must be in the name of a supplier who has carried out in excess of at least 50 public park projects in India either by themselves or through their dealers or contractors. These EN 16630 & GS Mark certificates must be clearly displayed on the notified certifying bodies websites as online verification is mandatory. All products must clearly display the GS mark as has been issued in the EN 16630 safety certificates. All Tubular steel of 2.5mm thickness are galvanized and zinc dipped. Joints are Robotic Welded. All welded joints are scalloped as necessary and welded to an approved MIG process. All welds are dressed off removing all sharp edges & burrs. Zinc Primer paint is applied at all the welding paints prior to finishing. All metal parts are powder coated using AKZO Nobel - Great Wall Powder to the thickness of 80 - 120 microns. All metal parts are tested in our salt spray machine that uses a 5% NaCL solution in accordance to 1507227 to speed up corrosion for 3000 hrs. Footplates made of alloys of Nylon having good thermal stability. Internal Limited means no bump stops or crush points. Bearings : Maintenance-free ball bearings. Scope of delivery: 1 completely pre assembled equipment modules. Maintenance : Maintain according to EN 16630 and the maintenance guide. Size (L* W * H) 2015 MM x 615 MM x 1360 MM . Capacity 2 persons. Inclusive of All Taxes and Transportation Charges								
		2				2			
					Total	2	Each	300000.00	600000.00
	Detailed - measurment								
12	Supply & fixing of HD Squat Pushing : All products must tested and certified to meet EN 16630 safety standards with GS test mark. The EN 16630 certificates must be issued by a reputed notified International Certifying Body such as IPEMA, TUV, CPSC, or SGS only. The GS mark-EN 16630 certificates must be in the name of a supplier who has carried out a minimum of 100 public park projects in India with EN16630 GS certified products either by themselves or through their dealers or contractors. These EN 16630 & GS Mark certificates must be clearly displayed on the notified certifying bodies websites as online verification is mandatory during technical bid. All products must clearly display the GS mark as has been issued in the EN 16630 safety certificates. All Tubular steel of 2.5mm thickness are galvanized and zinc dipped. Joints are Robotic Welded. All welded joints are scalloped as necessary and welded to an approved MIG process. All welds are dressed off removing all sharp edges & burrs. Zinc Primer paint is applied at all the welding paints prior to finishing. All metal parts are powder coated using AKZO Nobel - Great Wall Powder to the thickness of 80 - 120 microns. All metal parts are tested in our salt spray machine that uses a 5% NaCL solution in accordance to 1507227 to speed up corrosion for 3000 hrs. The seat and backrest is made from Rotomoulded LLDPE. Bearings; Maintenance-free ball bearings. Equipment which have sway and moving parts, must have built in limitors that prevent unwanted and ecesssive movement, which can cause injuries. The limitors must be in accordance with EN 16630 safety norms. Scope of delivery: 1 completely pie-assembled equipment modules. Maintenance: Maintain according to EN 16630 and the maintenance guide. Size (L * W * H) 2270 MM x 635 MM x 1640 MM . Capacity 2 persons. Inclusive of All Taxes and Transportation Charges								
		1				1			
					Total	1	Each	288000.00	288000.00

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	Detailed - measurment								
13	Supply & fixing of HD Waist Twister All products must tested and certified to meet EN16630 safety standards with GS test mark. The EN 16630 certificates must he issued by a reputed notified International Certifying Body such is IP EMA, TUV, CPSC, or SGS only. The GS mark-EN16630 certifiates must bu in the name of a supplier who has carried out in excess of at least 50 public park projects in India either by themselves or through their dealers or contractors. These EN16630 & GS Mark certificates must be clearly displayed on the notified certifying bodies websites as online verification is mandatory. All products must clearly display the GS mark as has been issued in the EN 16630 safety certificates. All Tubular steel of 2.5mm thickness are galvanized and zinc dipped. Joints are Robotic Welded. All welded joints are scalloped as necessary and welded to an approved MIG process. All welds are dressed off removing all sharp edges & burrs. Zinc Primer paint is applied at all the welding paints prior to finishing. All metal parts are powder coated using AKZO Nobel - Great Wall Powder to the thickness of 80- 120 microns. All metal parts are tested in our salt spray machine that uses a 5% NaCL solution in accordance to 1S07227 to speed up corrosion for 3000 hrs. Footplates made of alloys of Nylon having good thermal stability. Internal Limited means no bump stops or crush points. Bearings : Maintenance-free ball bearings. Scope of delivery: 1 completely pre assembled equipment modules. Maintenance : Maintain according to EN 16630 and the maintenance guide. Size (L * W * H) 1460 MM X 1310 MM x 1150 MM . Capacity 3 persons. Inclusive of All Taxes and Transportation Charges								
		1				1			
					Total	1	Each	188000.00	188000.00
	Detailed - measurment								
14	Supply & fxing of Double Ski Walker : All products must tested and certified to meet EN 16630 safety standards with GS test mark. The EN16630 certificates must be issued by a reputed notified International Certifying Body such as IPEMA, TUV, CPSC, or SGS only. The GS mark-EN 16630 certificates must be in the name of a supplier who has carried out a minimum of 100 public park projects in india with EN16630-GS certified products either by themselves or through their dealers or contractors. These EN16630 & 65 Mark certificates must be clearly displayed on the notified certifying bodies websites as online verification is mandatory during technical bid. All products must clearly display the GS mark as has been issued in the EN16630 safety certificates. All Tubular steel of 2.5mm thickness are galvanized and zinc dipped. Joints are Robotic Welded. All welded joints are scalloped as necessary and welded to an approved MIG process. All welds are dressed off removing all sharp edges & burrs. Zinc Primer paint is applied at all the welding paints prior to finishing. All metal parts are powder coated using AKZO Nobel - Great Wall Powder to the thickness of 80 - 120 microns. All metal parts are tested in our salt spray machine that uses a 5% NaCL solution in accordance to 1507227 to speed up corrosion for 3000 his. Footplates made of alloys of Nylon having good thermal stability. Internal Limited means no bump stops or crush points. Bearings: Maintenance-free ball bearings. Equipment which have sway and moving parts, must have built in limitors that prevent unwanted and ecesssive movement, which can cause injuries. The limitors must be in accordance with EN 16630 safety norms. Scope of delivery: 1 completely pie-assembled equipment modules. Maintenance: Maintain according to EN16630 and the maintenance guide. Size (L*W * H) 1530 MM x 585 MM x 1625 MM . Capacity 2 persons. Inclusive of All Taxes and Transportation Charges								
		1				1			
					Total	1	Each	299000.00	299000.00
								Sub-Total	2946299.00
								GST Charges 12%	353556.00
								TOTAL	3299855.00

Certificate:

1. The work spot has been inspected and found to be necessary
2. The work spot comes under BBMP Limits
3. The contractor has done work satisfactorily
4. The Contractor clear the all debries from the work spot

Assistant Engineer
Ward No. 15

Assistant Executive Engineer
T Dasarahalli Sub Div

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